

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 68752-72448	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE 2003/001351	International filing date (day/month/year) 01.09.2003	Priority date (day/month/year) 30.09.2002
International Patent Classification (IPC) or national classification and IPC A61B 19/08		
Applicant Mölnlycke Health Care AB et al		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 3 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:
  - a. ☒ (sent to the applicant and to the International Bureau) a total of 4 sheets, as follows:
    - ☒ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
    - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
  - b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) \_\_\_\_\_, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items:
 

<input checked="" type="checkbox"/>	Box No. I	Basis of the report
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

Date of submission of the demand 20.04.2004	Date of completion of this report 14.12.2004
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2003/001351

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of:

- ☐ international search (under Rules 12.3 and 23.1(b)).  
☐ publication of the international application (under Rule 12.4)  
☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):*

☐ the international application as originally filed/furnished

☒ the description:

pages 1 - 13 as originally filed/furnished

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

☒ the claims:

pages \_\_\_\_\_ as originally filed/furnished

pages\* \_\_\_\_\_ as amended (together with any statement) under Article 19

pages\* 14 - 17 received by this Authority on 30.08.2004

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

☒ the drawings:

pages 1 - 5 as originally filed/furnished

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_  
☐ the claims, Nos. \_\_\_\_\_  
☐ the drawings, sheets/figs \_\_\_\_\_  
☐ the sequence listing (*specify*): \_\_\_\_\_  
☐ any table(s) related to the sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_  
☐ the claims, Nos. \_\_\_\_\_  
☐ the drawings, sheets/figs \_\_\_\_\_  
☐ the sequence listing (*specify*): \_\_\_\_\_  
☐ any table(s) related to the sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2003/001351

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	<u>1-11</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-11</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-11</u>	YES
	Claims		NO

## 2. Citations and explanations (Rule 70.7)

Document cited in the International Search Report:

D1: US 6032670 A

The cited document represents the general state of the art. The invention defined in claims 1- 11 is not disclosed by this document.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed fluid collection pouch with at least one bellows-fold. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1- 11 is novel and is considered to involve an inventive step. The invention is industrially applicable.

Claims

1. A fluid collection pouch (23;23';27) made of flexible plastic material for surgical drapes or towels (24,25), which consists of two layers and comprises an opening along which said layers are unattached to each other, and two side edges (10A,10B,11A,11B; 10A',10B';31,33 AND 30,32) extending on opposite sides of the opening along which said layers are attached to each other, **characterised in** that at least one portion (12,13,10,11;12',13',10'; 30,32) of at least one of the layers of the pouch comprises at least one bellows-fold.
2. The pouch according to Claim 1, **characterised in** that each of the side edge parts of the pouch (12,13; 12',13'; 30,32) comprises at least one portion containing a bellows-fold.
3. The pouch according to Claims 1 or 2, **characterised in** that one (9;9') of the two layers (9,10,11; 9',10') constituting the pouch extends beyond the edge of the second layer and has bellows-folded side edges (12,13;12',13').
4. The pouch according to Claim 3, **characterised in** that the pouch is manufactured of one piece of material.
5. The pouch according to Claim 4, **characterised in** that the pouch (23) is manufactured of a rectangular piece of material (1), whereby one of the layers of the pouch is constituted by two similarly shaped end parts having the form of right-angled triangles, which are folded in against each other and affixed to

5 each other in a flange-like seam (4,5) and which together with the end-part of the piece of material over which said two similarly shaped end-parts have been folded, constitute the collection part (10,11) of the pouch having the shape of a cone.

10 6. The pouch according to Claim 5, **characterised in** that drainage pipes or tubes are affixed to the bottom of the cone-shaped collection part (10,11).

7. The pouch according to any one of Claims 1-6, **characterised in** that the folded parts in the bellows-folds (12,13) are joined to each other in one or several portions (14,15,16) along the-length of the bellows-folds.

15 8. A method of manufacturing a fluid collection pouch made of flexible plastic material for surgical drapes or towels, consisting of two layers and comprising an opening along which said layer are unattached to each other, and two side edges extending on opposite sides of the opening along which said layers are attached to each other, **characterised by** the following steps;

20 providing a pouch blank comprising two identical rectangular layers of flexible plastic material having two opposing long sides and two opposing short sides, said layers being placed on top of each other so that their long and short sides lie edge-to-edge and having the edge parts along one long side and  
25 at least one short side joined to each other,

5 thereafter folding out the long sides from each other until they are located in the same plane, whereby the end or ends (10,11) of the material piece having the edges of the short sides joined to each other assume a cone-shape by being folded about folding lines inclined to the length direction and by the short side edges joined to each other being folded in against the material piece and extending along the length symmetry axis (A-A) of the pouch,

10 bellows-folding the longitudinal edge parts of the pouch blank either before or after said folding out of the long sides so that the bellows-folds (12,13) are located on the same side of the pouch blank (1) as the edges of the short sides that have been folded in, whereby a fluid collection pouch is formed.

15 9. The method according to Claim 8, characterised by providing the pouch blank by folding a piece of flexible plastic material (1) having a rectangular shape comprising two opposite long sides (2,3) and two opposite short sides about a central longitudinal folding line (A-A) so that the long and short sides are located edge-to-edge to each other, whereafter the two end parts folded against each other of at least one of the short sides are joined to each other.

20 10. The method according to Claim 8 or 9, characterised by folding the transverse edge part of the cone-shaped part or the transverse edge parts (17,18) of the cone-shaped parts (10,11) of the formed collection pouch in over or under the edge part in question after the bellows-folding of the longitudinal edge parts of the material piece.

11. The method according to Claim 8, 9 or 10, characterised by placing a coupling (6,7) to drainage pipes or tubes between the edge parts of the shorts  
5 sides (4,5) being folded in against each other.